

WHAT IS CLAIMED IS:

1. A method for producing a window glass with defogging heat wires,
comprising:
providing a conductive paste comprising a silver powder, a
molybdenum compound, a glass frit; and an organic vehicle,
5 applying the conductive paste to a window glass in a predetermined
pattern, and
baking the window having the paste thereon so as to form the
defogging wires.
2. The method according to Claim 1, wherein the predetermined pattern
comprises at least two lines which are substantially parallel to each other.
3. The method according to Claim 1, wherein the predetermined pattern
includes a bus bar line disposed at one end of the window glass and connected to at
5 least one line extending away from the bus bar line.
4. The method according to Claim 1, wherein the window glass is an
automotive window glass and the method further comprises incorporating the window
glass into an automobile.
5. The method according to Claim 1, wherein the molybdenum compound
10 content is in the range of about 0.1 to 13 parts by weight relative to 100 parts by
weight of the silver powder.
6. The method according to Claim 5, wherein the molybdenum compound
is molybdenum silicide.
7. The method according to Claim 6, wherein the particle size of the silver
15 powder is in the range of about 0.1 to 20 μm and the softening point of the glass frit is
about 730°C or less.

8. The method according to Claim 5, wherein the molybdenum compound is molybdenum boride.

20 9. The method according to Claim 8, wherein the particle size of the silver powder is in the range of about 0.1 to 20 μm and the softening point of the glass frit is about 730°C or less.

10. The method according to Claim 1, wherein the molybdenum compound is molybdenum silicide.

25 11. The method according to Claim 1, wherein the molybdenum compound is molybdenum boride.

12. A method for producing an automotive window glass with defogging heat wires, comprising:

30 providing a conductive paste comprising a silver powder, about 0.1 to 13 parts by weight relative to 100 parts by weight of the silver powder of a molybdenum compound, a glass frit; and an organic vehicle,

applying the conductive paste to a window glass substrate in a predetermined pattern which comprises at least two lines which are substantially parallel to each other, and

35 baking the window having the paste thereon so as to form the defogging wires.

13. The method according to Claim 12, wherein the predetermined pattern includes a bus bar line disposed at one end of the window glass and connected to at least one of the parallel lines.

14. The method according to Claim 13, wherein the window glass is an automotive window glass and the method further comprises incorporating the window glass into an automobile.

15. The method according to Claim 12, wherein the molybdenum compound is molybdenum silicide.

16. The method according to Claim 12, wherein the molybdenum compound is molybdenum boride.

17. A method for producing an automotive window glass with defogging heat wires, comprising:

providing a conductive paste comprising a silver powder having a particle size in the range of about 0.1 to 20 μm , about 0.1 to 13 parts by weight relative to 100 parts by weight of the silver powder of a molybdenum compound selected from the group consisting of molybdenum silicide and molybdenum boride, a borosilicate glass frit having a softening point of about 730°C or less; and an organic vehicle,

applying the conductive paste to a window glass substrate in a predetermined pattern which comprises at least two lines which are substantially parallel to each other and a bus bar line disposed at one end of the window glass connected to at least one of the parallel lines, and

baking the window having the paste thereon so as to form the defogging wires.

18. The method paste according to Claim 17, wherein the particle size of the silver powder is in the range of about 0.1 to 10 μm .

19. The method paste according to Claim 17, wherein the particle size of the silver powder is in the range of about 0.1 to 5 μm .

20. The method paste according to Claim 17, wherein the method further comprises incorporating the window glass into an automobile.